



Teledyne Photometrics
Scientific Imaging Solutions



New ... Major Kinetix22 Update

Get **>33% higher frame rates** across all modes AND **higher full well capacity** in Speed Mode!

Teledyne Photometrics' popular [Kinetix22 CMOS](#) cameras have some major upgrades!

Kinetix22 cameras now boast up to 33% higher frame rates across all modes, along with a higher full well capacity in Speed Mode.

The upgraded Kinetix22 camera is designed to maintain high sensitivity while offering faster speeds, making it an even more powerful tool for imaging. The camera also features a new mode that allows for the collection of more light at high speed, covering the full image output of an optical system.



The Kinetix22 sCMOS camera

Key Enhancements of the Kinetix22:

- Fast measurement of dynamic samples anywhere in the FOV of your microscope with frame-to-frame intervals of 1.5 ms
- High dynamic range imaging at greater than 110 fps for samples requiring such measurements

Major Improvements Include:

- Increased acquisition speeds across all imaging modes at the full field of view:
 - **Sensitivity:** Improved from 88 to 118 fps
 - **Speed:** Enhanced from 498 to 664 fps (requires additional PCIe cable, 554 fps otherwise)
 - **High Dynamic Range:** Increased from 83 to 111 fps
 - **Sub Electron Mode:** Boosted from 5.2 to 6.9 fps
- **Higher full well capacity** (from 200 e- to 1000 e-) in Speed Mode, accessible via a second gain state and suitable when imaging high light levels.

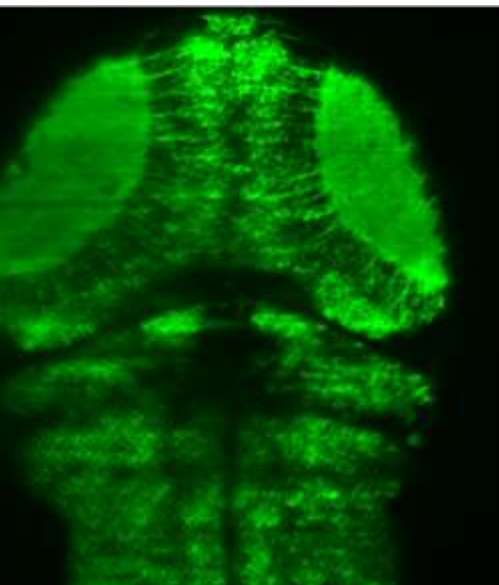
With these updates, the Kinetix22 enables imaging of the most dynamic samples, **allowing users to discover what they've been missing!**

All new Kinetix22 orders will include these major improvements.

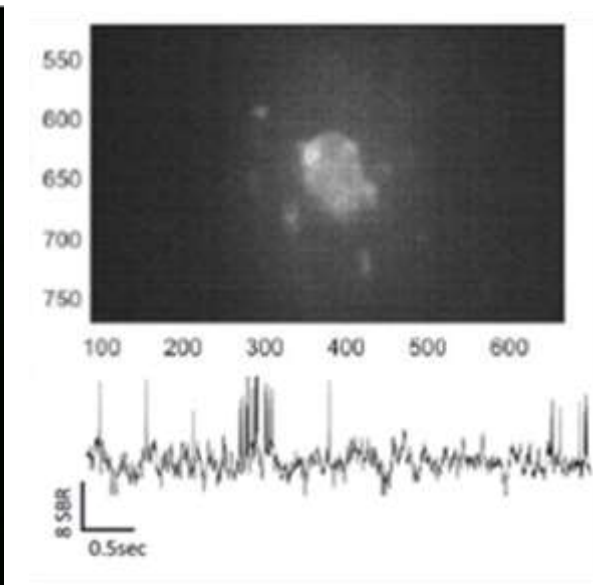
If you are an **existing Kinetix22 user** please [get in touch](#) to discuss upgrading your camera today.

Kinetix: the ultimate in high speed, high sensitivity imaging

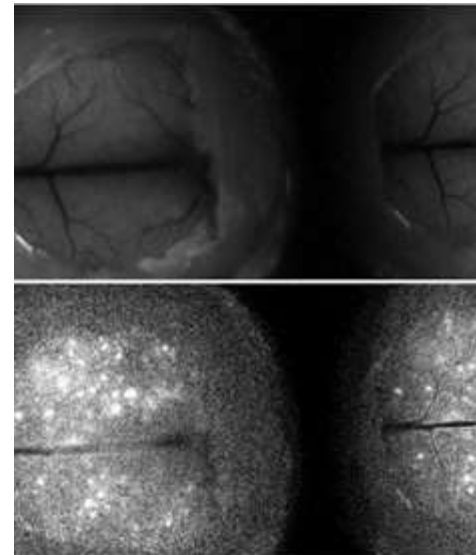
Take a look at these customer stories for more information about the Kinetix22 CMOS camera.



Light-sheet calcium imaging – *Dr. Issac Bianco, UCL*



High speed voltage imaging – *Prof. Xue Han, Boston*



High speed neural optogenetics – *Dr. Issac Bianco, Stanford*

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